

NAD 412

AM/FM Tuner

- **24 preset stations (12 FM, 12AM)**
- **25kHz tuning steps**
- **NAD link**
- **Blend function**

The NAD 412 has evolved from the award winning 402. The 402 was named "Best Tuner, 1994" by "What Hi Fi". Improvements include a new high clarity display and a re-designed chassis.

The NAD 412 is a superlative product and it out-performs many other tuners that cost far more. Employing high quality components in it's simple circuit topology give the unit (and it's predecessor) the noise free, low distortion performance that have made NAD tuners famous. Only the most essential functions are employed resulting in an uncluttered front panel of a product that is simple to use.

24 stations (12 FM, 12AM) can be entered in the preset mode. They are stored in a non volatile memory which allows the preset stations to remain in memory even if the unit is unplugged from the mains supply.

Unlike most other tuners, the 412 tunes in 25kHz increments. This, coupled with crystal oscillator controlled digital frequency synthesis makes for precise tuning and enables the user to fine tune to their desired stations with ease. A centre tune LED indicates that the 412 is accurately locked to the transmitted signal.

The SEARCH mode allows the 412 to tune to the nearest strong station, up or down the band, whilst the TUNE mode allows rapid scanning through the band. In both modes the software "wraps" the frequency band around allowing you to skip directly from the top of the band to the bottom or vice versa.

When attempting to listen to weak stations, sometimes the background noise can become annoying and spoil the listeners enjoyment of the programme. The BLEND function reduces this noise whilst still retaining adequate stereo separation.

NAD link is provided, enabling the 412 to be remotely controlled by another NAD product that is also fitted with NAD link and which has an IR sensor.



Specifications - NAD 412
FM tuner section

| | | | |
|--|------------|---------------|------|
| Usable sensitivity | | 1.5µV | |
| 50dB quieting | Mono | 2.5µV | |
| | Stereo | 30.0µV | |
| 60dB quieting | Mono | 7.0µV | |
| | Stereo | 100µV | |
| Capture ratio | (45dBf) | 5dB | |
| IF rejection | | 75dB | |
| AM supression | | 54dB | |
| Selectivity, alternate channel | | 78dB | |
| Subcarrier suppression (19kHz and 38kHz) | | 60dB | |
| THD | Mono | 1KHz 50% mod. | 0.2% |
| | Stereo L-R | 1KHz 50% mod. | 0.3% |
| | Stereo L+R | 1KHz 50% mod. | 0.2% |
| | Mono | 73dB | |
| | Stereo | 70dB | |
| Signal to noise ratio (65dBf IHF weighted) | | ±0.7dB | |
| Frequency response (30Hz - 15kHz) | | 40dB | |
| Channel separation (1kHz) | | | |

AM tuner section

| | |
|-----------------------------------|------|
| Usable sensitivity | 7µV |
| Selectivity | 19dB |
| Image rejection | 36dB |
| Signal to noise ratio (1mV input) | 45dB |
| THD (30% mod., 1mV input) | 2% |
| IF rejection | 46dB |

Physical Specifications

| | |
|------------------------|------------------|
| Dimensions (W x H x D) | 435 x 76 x 295mm |
| Net weight | 3.6kg |
| Shipping weight | 4kg |
| Power consumption | 15W |

NOTE: NAD reserves the right to change specifications or design at any time without notice. All specifications are those in effect at time of printing.